



SEQUENCE LISTING

RECEIVED #10
AUG 20 2002
TECH CENTER 1600/2900

<110> Roche Vitamins A3

<120> Microbial process for producing L-ascorbic acid and D-erythorbic acid

<130> Alicyclobacillus NA20, 21, FJ21 16S nuc

<140> US 09/938,035
<141> 2001-08-23

<150> EP Application No. 00118059.5
<151> 2000-08-23

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<170> PatentIn version 3.1

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<212> DNA
<213> Alicyclobacillus sp.

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<221> rRNA
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<223> NA-20 partial 16SrRNA gene sequence

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| ccttgctgga cagtgaacta cgtcagggca cgaaagcgtg gggagcaaac aggattagat | 780 |
| acctgggtag tccacgcgtt aaacgatgag tgcctaggtg tggggggaca caccacagt | 840 |
| cgaaggaaa cccaataagc actcgcctg gggagtagc tcgcaagact gaaactcaaa | 900 |
| ggaattgacg ggggcgcga caagcagtcg agcatgtggt ttaattcgaa gcaacgcgaa | 960 |
| gaactttacc agggcttgac atccctctga cactctcaga gatgaggggt ccttcgggg | 1020 |
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| cctgcaacga gcgcacccct tgactgtgtt taccagcgcg ttgaggcggg gactcacagg | 1140 |
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| aaacgcggcg tccacaccag agagtcggca acaccgaag tcggtgaggt aacccctnng | 1440 |
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<23> NA-21 Partial 16SrRNA gene

<220>
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<223> n can be a or t or g or c

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| gcgggaataa ggcgggaaa gggggcgtaa tggggatac gcccgcgagg aggcattctc | 180 |
| ttggggggga agggccaatt gggccaactga gagaggagcc gggggcgcat tagctngttg | 240 |
| ggggggtaac gggccaacca ggggacgatg cgtagccgac ctgagagggt gaccggccac | 300 |
| actgggaactg agacacggcc cagactccta cgggaggcag cagtagggaa tcttcgcga | 360 |
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| gaaccttacc agggcttgac atccctctga caccctcaga gatgaggggt ccttcgggg | 1020 |
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| cccgaaacga gcgaaacct tgaccttgtt taccagcgcg ttgaggcggg gactcacagg | 1140 |
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| acaccgccc tccaccacg agagtccgca acaccgaag tgggtgaggt aaccccttag | 1440 |
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<212> DNA

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<221> rRNA

<222> (1)..(1495)

<223> FJ-21 Partial 16SrRNA gene sequence

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<241> misc_feature

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<243> n can be a or t or g or c

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| ttggcccgct gagagaggag ccgcgggcgc attagctngt tggcggggta acggcccacc | 240 |
| aaaggcagca tgcgtagccg acctgagagg gtgaccggcc aactgggac tgagacacgg | 300 |
| cccgactcc taaggaggc agcagtaggg aatcttccgc aatgggcgca agcctgacgg | 360 |
| agcaacgcgc cgtgagcgaa gaaggccttc gggttgtaaa gctctgttgc tcggggagag | 420 |
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| cacaagcagt ggagcatgtg gtttaattcg aagcaacgcg aagaacctta ccagggcctg | 960 |

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